


Memorandum

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To: ALL CONSTRUCTION ENGINEERS
ALL RESIDENT ENGINEERS
CONSTRUCTION STORM WATER COORDINATORS
NPDES COORDINATORS

Date: September 20, 2002

File: Division of Construction
CPD 02-9

From: ROBERT PIEPLOW 
Chief
Division of Construction – MS 44

Subject: New Requirements for Temporary Concrete Washout Facilities (Type Below Grade)

The intent of this Construction Program Directive (CPD) is to address the new requirement for lining with plastic all below grade concrete washouts. The modification of the current “best management practices” (BMP) is to ensure that below grade temporary concrete washouts are effective for preventing construction-related pollutants from impacting soils, surface water or ground water.

Sampling by the Central Valley Regional Water Quality Control Board (CVRWQCB) has recently detected the presence of elevated levels of hexavalent chromium from a project’s waste concrete grindings and truck washout liquids. Additional sampling by the Department of Transportation (Department) has confirmed the presence of hexavalent chromium in concrete, cement and fly ash. The Department’s Division of Construction has decided to implement these measures to prevent migration of hexavalent chromium to soils, surface water or ground water. These actions are required because hexavalent chromium is highly mobile in soils and has the potential to cause ground water contamination. The preventive measure is to require that all below grade concrete washouts be lined with plastic. This modification will necessitate an amendment to the Storm Water Pollution Prevention Plan (SWPPP) or Water Pollution Control Plan (WPCP) for projects that are currently using or will use a below grade concrete washout in accordance with BMP WM-8 of the November 2000 *Construction Site BMPs Manual* or BMP CD-16 of the April 1997 *Construction Contractor’s Guide and Specifications*. The Concrete Waste Management BMP WM-8 construction detail has been revised to include a lining. This directive includes the construction detail as Attachment 1 showing the location of the plastic lining and anchoring materials.

This modification will require an amendment to the SWPPP or WPCP for projects that are currently using or will use a below grade concrete washout in accordance with BMP WM-8 of the November 2000 *Construction Site BMPs Manual* or BMP CD-16 of the April 1997

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Construction Contractor's Guide and Specifications. Concrete Waste Management BMP WM-8 construction detail has been revised to include lining and is included with this CPD as Attachment 1.

The resident engineer should provide a copy of Attachment 1 to the contractor to use as part of the necessary documentation for the amendment to the SWPPP/WPCP and to request a CCO for additional costs, see Attachment 2 for estimated quantities and cost. The construction contract change order (CCO) (Form CEM-4900 and CEM-4903) to implement this CPD does **not** require Headquarters Construction approval.

If you have any questions or concerns, please e-mail or call Jerry Marcotte at (916) 653-3134, or your district construction storm water coordinator.

Attachments